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ESTIMATES OF TIMBER PRODUCTS OUTPUT AND PLANT RESIDUES, COLORADO, 1969

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2501

ABSTRACT

The 1969 Colorado roundwood products output was 48,252 MCF, down about 5 percent from the 1966 estimate of 50,879 MCF. Saw log output was 35,502 MCF and veneer log output 4,837 MCF as compared to 1966 estimates of 39,335 MCF and 5,005 MCF, respectively. Round pulpwood output of 672 MCF was more than three times the 1966 estimate of 201 MCF. Estimated volume of plant residues (including bark) from the lumber and veneer and plywood industries was 26,329 MCF. Of this volume, 7,398 MCF (28.1 percent) were used, principally for pulpwood and fuel.

Colorado's 1969 output of roundwood timber products was 48,252 MCF. This volume was down slightly from the record output of 50,879 MCF in 1966 (fig. 1).

Saw log output decreased to 227,574 MBF[2] in 1969 from the 1966 estimate of 252,145 MBF (table 1); this volume was about 73.6 percent of total roundwood output. In 1966 and 1962, respectively, saw logs accounted for about 77.3 and 86.6 percent of total roundwood products output. Veneer log output also decreased (about 3.4 percent) from the 1966 level; 31,825 MBF were reported. Round pulpwood output increased substantially as compared to the 1966 estimate of 201 MCF. Output of all other roundwood products combined was 7,241 MCF; this was an increase of 903 MCF since 1966.

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[1] This paper is based on the 1969 Timber Products Survey conducted by the Forest Survey Research Unit of the Intermountain Forest and Range Experiment Station during 1970. The author is in charge of the products and timber removals phase of the Forest Survey at the Intermountain Station.

[2] International 1/4-inch log rule is used throughout this report for board-foot volumes of roundwood.

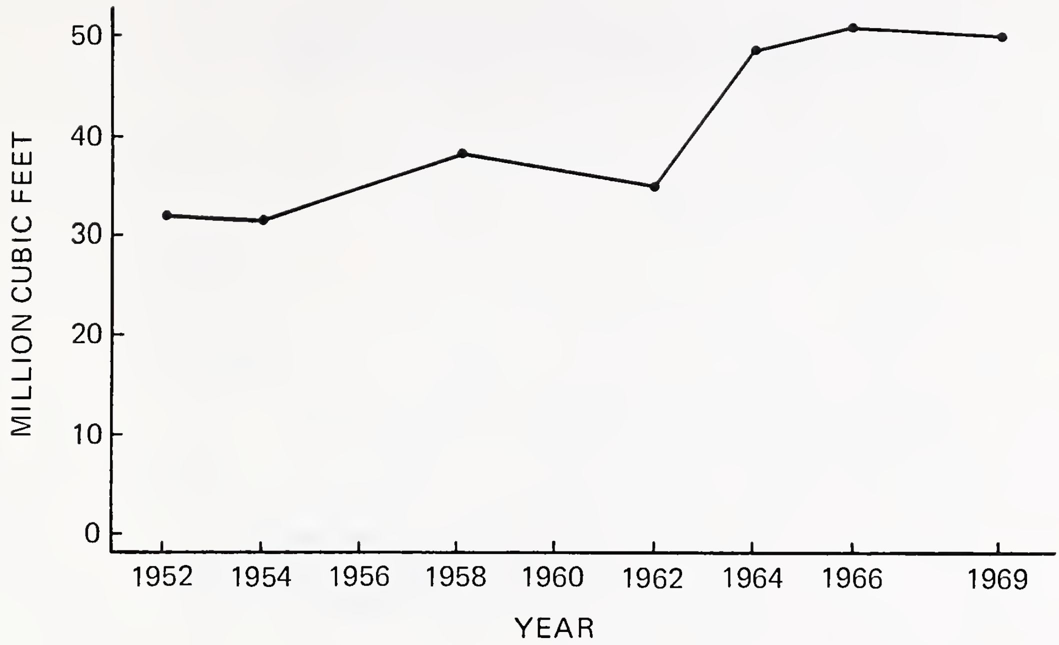

Figure 1.--Colorado roundwood products output, 1952-1969. (Plotted volumes through 1966 are taken from USDA Forest Service Resource Bull. INT-9, p. 29, 1970.)

A decline in logging residues from growing stock[3] in 1969 was related to the decline in roundwood products output. The 1969 logging residues volume was 4,236 MCF, about 110 MCF less than in 1966.

Engelmann spruce, lodgepole pine, and ponderosa pine accounted for 92.5 percent of mill saw log receipts (table 2). Mill receipts also included true firs, Douglas-fir, limber pine, aspen, and cottonwood.

La Plata County led the State in saw log output. Other leading counties were Jackson, Grand, Routt, Saguache, and Gunnison. These six counties provided 50 percent of Colorado's saw logs in 1969.

In 1969, 37 percent of the volume of coarse and fine residues combined was utilized as compared to 11 percent in 1966. Estimates of plant byproducts and residues included volume of bark for the first time (table 3). In 1969 only about 0.5 percent of the bark was utilized, mainly for industrial fuel. About 43 percent of the coarse residues was used, principally for pulpwood; and about 31 percent of the fine residues was used, mostly for fuel and livestock bedding.

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[3] The net cubic-foot volume of live sawtimber and poletimber trees cut or killed by logging on commercial forest land and not converted to timber products.

Table 1.--*Output of roundwood products from Colorado timberlands by species, 1969*

Product	Species							All species	
	True firs[1]	Engelmann spruce	Ponderosa pine[2]	Douglas-fir	Lodgepole pine	Aspen	Other species[3]	Volume	Percent
	Thousand cubic feet								
Saw logs	1,364	22,639	3,929	851	6,264	150	305	35,502	73.6
Veneer logs	--	2,496	2,341	--	--	--	--	4,837	10.0
Pulpwood	--	--	--	--	672	--	--	672	1.4
Mine timbers	1	300	936	3	750	2	--	1,992	4.1
Miscellaneous industrial wood[4]	--	109	--	13	324	672	--	1,118	2.3
Posts, fuelwood, miscellaneous farm timbers	(5)	53	769	3	1,845	548	913	4,131	8.6
Total	1,365	25,597	7,975	870	9,855	1,372	1,218	48,252	100.0
Percent of total	2.8	53.1	16.5	1.8	20.4	2.9	2.5	100.0	

[1] Includes white, subalpine, and corkbark firs.
[2] Includes 3 MCF of limber pine.
[3] Includes juniper, pinyon pine, and cottonwood.
[4] Includes commercial poles, excelsior bolts, house logs, and match stock.
[5] Less than 0.5 thousand cubic feet.

Table 2.--*Mill receipts of saw logs from Colorado timberlands by species and county of origin, 1969*

County	Species							All species	
	True firs[1]	Engelmann spruce	Ponderosa pine[2]	Douglas-fir	Lodgepole pine	Aspen	Cottonwood	Volume	Percent
	Thousand board feet[3]								
Archuleta	109	3,098	3,246	135	--	--	--	6,588	2.9
Chaffee, El Paso, Fremont, Lake, Summit	20	145	483	433	119	--	87	1,287	.6
Conejos, Rio Grande	455	2,552	--	406	--	--	--	3,413	1.5
Custer	273	5,147	729	513	--	--	419	7,081	3.1
Delta, Garfield Ouray	4	360	--	620	330	154	41	1,509	.7
Douglas, Jefferson	--	--	2,810	949	--	--	--	3,759	1.7
Eagle	560	5,910	--	--	2,387	--	--	8,857	3.9
Grand	--	9,529	--	--	13,282	--	--	22,811	10.0
Gunnison	1,319	10,157	458	709	918	12	--	13,573	6.0
Hinsdale	1,176	8,059	--	--	--	--	--	9,235	4.1
Huerfano	101	309	2,374	627	--	14	--	3,425	1.5
Jackson	--	6,144	--	--	13,568	--	--	19,712	8.7
La Plata	2,834	24,998	--	165	--	445	--	28,442	12.5
Larimer	--	8,567	1,462	16	2,773	--	--	12,818	5.6
Mesa	--	81	2,661	--	--	--	13	2,755	1.2
Mineral	--	8,987	--	--	--	--	--	8,987	3.9
Moffat	343	1,709	1,129	--	543	--	--	3,724	1.6
Montezuma	--	6,087	6,134	--	--	--	--	12,221	5.4
Montrose	136	6,584	2,385	--	--	--	--	9,105	4.0
Park	--	4,269	220	95	1,544	--	--	6,128	2.7
Pitkin	42	4,040	--	--	--	--	--	4,082	1.8
Pueblo	16	--	48	15	--	--	1,394	1,473	.6
Rio Blanco	--	4,321	--	338	360	--	--	5,019	2.2
Routt	854	10,012	--	--	4,225	--	--	15,091	6.6
Saguache	166	13,235	169	314	103	--	--	13,987	6.1
San Miguel	336	821	879	118	--	338	--	2,492	1.1
Total	8,744	145,121	25,187	5,453	40,152	963	1,954	227,574	100.0
Percent of total	3.8	63.8	11.1	2.4	17.6	.4	.9	100.0	

[1] Includes white, subalpine, and corkbark firs.
[2] Includes 21 MBF of limber pine.
[3] International 1/4-inch log rule.

Table 3.--*Estimated volume of used and unused plant residues from the lumber and veneer and plywood industries in Colorado, 1969*

Year	Bark			Coarse[1]			Fine[2]		
	Total	Used	Unused	Total	Used	Unused	Total	Used	Unused
	Thousand cubic feet								
1969	6,431	30	6,401	10,503	4,491	6,012	9,395	2,877	6,518

[1] Material suitable for chipping, such as slabs, edgings, and trimmings.

[2] Material such as sawdust and shavings.